DTFANM-11-R-00098
Brown Field Air Traffic Control Tower
Water Line Project
Architectural and Engineering (A&E) SCOPE OF WORK

1. The Air Traffic Control Tower (ATCT) at Brown Field Airport (SDM) in California needs to have a water line installed. The current water is supplied by a temporary PVC line and is prone to breakage. The plan is to install a water line to the nearest available water main with a new meter. The water line must be of sufficient size to accommodate the ATCT and the near by hangers currently feed by the temporary PVC line. The A&E firm is to work with the water district and airport authorities to produce a set of plans and specifications that can be bid out for construction by the FAA. A cost estimate for the construction will also be required. The A&E will also be responsible for soils reports along the proposed trench rout. Once construction starts, the A&E firm is to provide support for the construction.

2. The A&E contractor will be responsible for submitting a 30% design, 60% design and a final 100% design package.

3. The 30% design will designate a proposed rout for the water line and present drawing with the proposed rout shown. It will be submitted to the FAA within 60 days of award of contract. The FAA will have 30 days to review.

4. The 60% design will expand the rout with sizing of the water lines, details on the connections and identify what type of conditions will be encountered on the excavations so as to aid in the type of equipment that will be needed for the work. This includes identifying if boring will need to be done to cross existing highways or abandoned taxiways. It will be submitted within 30 days of the return of the 30% design from the FAA. The FAA will then have 15 days to review the package.

5. The 100% design will consist of the finalized drawings and specifications that can be bid out by the FAA for construction. Specifications will be based on the FAA standard specifications that are adapted to the site and project conditions. Drawings will follow FAA provided title block and FAA provided drawing numbers. The final package will also include the soils report and construction cost estimate for the work. The final 100% design will be present to the FAA in Microstation CAD files and MS Word documents. The final package is due 30days after the review of the 60% design is returned by the FAA. All drawings are to be reviewed and signed by a licensed civil engineer in the state of California.

6. The design and specifications shall meet all water district requirements as obtained by the A&E firm and the attached FAA A&E design guide lines (e.g., Terminal Facilities Standard Designs A/E Project Manual, July 27, 2009). Where design guild lines differ from the scope of work, the scope of work will control.

7. Once construction starts, the A&E firm will be responsible for providing support for the project. The A&E firm will provide 60 billable hours of support and one site visit by the engineer of record.

8. The proposal for this work will include a cost break down for the 30% design submittal, 60% design submittal, 100% design submittal, Soils Report, 60 Hours construction support and site visit. Bid will also include an option for additional support in the form of cost per billable hour and cost for each site visit.